



PTO/SB/21 (09-04)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Patent Number	7,010,329
Issue Date	March 7, 2006
First Named Inventor	Livet et al.
Application Number	10/726,426
Filing Date	December 3, 2003
Attorney Docket Number	I-2-0439.1 US

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Request for Certificate of Correction; and Form PTO/SB/44
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	VOLPE AND KOENIG, P.C.		
Signature	<i>Robert D. Leonard</i>		
Printed name	Robert D. Leonard		
Date	03/12/07	Reg. No.	57,204

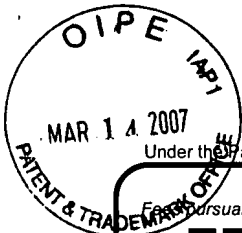
**Certificate
of Correction**
MAR 16 2007**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	<i>Robert D. Leonard</i>		
Typed or printed name	Robert D. Leonard	Date	03/12/07

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Enacted pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2006☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 100.00**Complete if Known**

Application Number	10/726,426
Filing Date	December 3, 2003
First Named Inventor	Livet et al.
Examiner Name	Brandon J. Miller
Art Unit	2683
Attorney Docket No.	I-2-0439.1 US

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: 09-0435 Deposit Account Name: InterDigital Communications Corporation

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION** (All the fees below are due upon filing or may be subject to a surcharge.)**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES**Fee Description**

	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
-	=	x	= 0

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
-	=	x	= 0

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
-	-	-	-	-

- 100 = / 50 = (round up to a whole number) x =

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Request for Certificate of Corrections**Fees Paid (\$)**

100.00

SUBMITTED BY

Signature	<u>Robert D. Leonard</u>	Registration No. (Attorney/Agent)	57,204	Telephone	215-568-6400
Name (Print/Type)	Robert D. Leonard	Date	03/12/07		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT** of:

Livet et al.

Patent No.: 7,010,329

Issued: March 7, 2006

Appln. No.: 10/726,426

Filed: December 3, 2003

For: SYSTEM AND METHOD FOR
BATTERY CONSERVATION WITH
ASSISTANCE FROM THE NETWORK AND
RADIO RESOURCE MANAGEMENT

Our File: I-2-0439.1US

Date: March 12, 2007

REQUEST FOR CERTIFICATE OF CORRECTION

Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

A Certificate of Correction under 35 U.S.C. §255 and 37 C.F.R. §1.323 is requested for U.S. Patent No. 7,010,329. Correction of the following typographical errors is requested.

ON THE FACE PAGE

At section (56), U.S. PATENT DOCUMENTS, page 1, right column, insert

--Irvin U.S Patent No. 6,029,074
Petersson U.S. Patent No. 6,567,670
Bhatoolaul et al. Pub. No.: US 2002/0058537--

03/15/2007 HASFAW1 00000078 090435 7010329

01 FC:1811 100.00 DA

Patentee: Livet et al.
Patent No.: 7,010,329

REMARKS

Patentees believe that the above errors are of such a nature as to justify the issuance of a Certificate of Correction. Patentees have enclosed a completed Certificate of Correction Form PTO/SB/44.

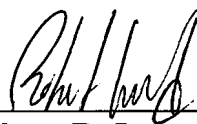
A copy of the Office Action dated December 10, 2004 is enclosed for your convenience.

Since at least one of the errors was caused by Applicants, please charge the surcharge fee of \$100.00 to the Deposit Account of InterDigital Communications Corporation, Deposit Account No. 09-0435.

Patentees respectfully request that the Certificate of Correction be issued.

Respectfully submitted,

Livet et al.

By 
Robert D. Leonard
Registration No. 57,204
(215) 568-6400

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103

RDL/dcb

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 7,010,329

APPLICATION NO.: 10/726,426

ISSUE DATE : March 7, 2006

INVENTOR(S) : Livet et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE FACE PAGE

At section (56), U.S. PATENT DOCUMENTS, page 1, right column, insert

--Irvin U.S Patent No. 6,029,074
Petersson U.S. Patent No. 6,567,670
Bhatoolaul et al. Pub. No.: US 2002/0058537--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/726,426	12/03/2003	Catherine Livet	I-2-0439.1US	5825

24374 7590 12/10/2004

VOLPE AND KOENIG, P.C.
DEPT. ICC
UNITED PLAZA, SUITE 1600
30 SOUTH 17TH STREET
PHILADELPHIA, PA 19103

EXAMINER

MILLER, BRANDON J

ART UNIT	PAPER NUMBER
----------	--------------

2683

DATE MAILED: 12/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

RECEIVED

AM/PM

DEC 13 2004

VOLPE & KOENIG, P.C.

DUCKETED FOR 3/10/05 - Resp. TO OA Due LCL: 6/10/05)

Office Action Summary

Application No.

10/726,426

Applicant(s)

LIVET ET AL.

Examiner

Brandon J Miller

Art Unit

2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) 14-31 is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

RECEIVED

AM/PM

DEC 13 2004

VOLPE & KOENIG, P.C.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____

DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-13, drawn to a method for battery conservation, classified in class 455, subclass 574.
- II. Claim 14, drawn to a method for call admission control, classified in class 455, subclass 445.
- III. Claims 15-22, drawn to a method for congestion control, classified in class 455, subclass 453
- IV. Claims 23-25 and 27-31, drawn to transmission power control, classified in class 455, subclass 522
- V. Claim 26, drawn to a method for executing handover, classified in class 455, subclass 436

The inventions are distinct, each from the other because of the following reasons:

Inventions I, II, III, IV, and V are related as combination and subcombination.

Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombinations as claimed because the particulars of group II and/or groups III, IV, and V are not required for group I. The subcombinations have separate utility such as battery conservation, as opposed to call admission control, congestion control, transmission control, or handoff.

Art Unit: 2683

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

During a telephone conversation with Steven J. Gelman on 12/06/04 a provisional election was made without traverse to prosecute the invention of group I, claims 1-13. Affirmation of this election must be made by applicant in replying to this Office action. Claims 14-31 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-4, 7-10, and 13 rejected under 35 U.S.C. 103(a) as being unpatentable over Liebenow in view of Murata.

Regarding claim 1 Liebenow teaches a method for battery conservation in a wireless communication system having a wireless transmit/receive unit and a base station control system (see paragraphs [0006] and [0017]). Liebenow teaches requesting a battery level measurement from the wireless transmit/receive unit by base station (see paragraph [0019]). Liebenow teaches measuring the battery level at the wireless transmit/receive unit; and reporting the battery level measurement from the wireless transmit/receive unit to the base station (see paragraphs [0017] and [0019]). Liebenow teaches storing the battery level measurement in the base station;

accessing the battery level measurement by a control system in the base station; and applying the battery level measurement to control system procedures, whereby the battery of the wireless transmit/receive unit is conserved due to adjustments made to the procedures based on the battery level measurement (see paragraphs [0006] and [0019]). Liebenow does not specifically teach a radio network controller or radio resource management procedures. Murata teaches a method for battery conservation in a wireless communication system having a wireless transmit/receive unit and a base station that communicates with a base station controller, and using radio management procedures to conserve the battery of the wireless transmit/receive unit (see paragraphs [0016] and [0022]). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include a radio network controller or radio resource management procedures because this would allow for improved management of power consumption of mobile wireless terminals having an active communication connection.

Regarding claim 2 Liebenow teaches sending a measurement control message from the base station to a wireless transmit/receive unit (see paragraph [0019]).

Regarding claim 3 Liebenow teaches wherein the measurement control message includes measurement-reporting criteria (see paragraph [0019]).

Regarding claim 4 Liebenow teaches sending a measurement report message from the wireless transmit/receive unit to the base station (see paragraph [0017]).

Regarding claim 7 Liebenow teaches a system for battery conservation in a wireless communication system having a wireless transmit/receive unit and a base station control system (see paragraphs [0006] and [0017]). Liebenow teaches requesting a battery level measurement

Art Unit: 2683

from the wireless transmit/receive unit by base station (see paragraph [0019]). Liebenow teaches measuring the battery level at the wireless transmit/receive unit; and reporting the battery level measurement from the wireless transmit/receive unit to the base station (see paragraphs [0017] and [0019]). Liebenow teaches storing the battery level measurement in the base station; accessing the battery level measurement by a control system in the base station; and applying the battery level measurement to control system procedures, whereby the battery of the wireless transmit/receive unit is conserved due to adjustments made to the procedures based on the battery level measurement (see paragraphs [0006] and [0019]). Liebenow does not specifically teach a radio network controller or radio resource management procedures. Murata teaches a system for battery conservation in a wireless communication system having a wireless transmit/receive unit and a base station that communicates with a base station controller, and using radio management procedures to conserve the battery of the wireless transmit/receive unit (see paragraphs [0016] and [0022]). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include a radio network controller or radio resource management procedures because this would allow for improved management of power consumption of mobile wireless terminals having an active communication connection.

Regarding claim 8 Liebenow and Murata teach a device as recited in claim 2 and is rejected given the same reasoning as above.

Regarding claim 9 Liebenow and Murata teach a device as recited in claim 3 and is rejected given the same reasoning as above.

Regarding claim 10 Liebenow and Murata teach a device as recited in claim 4 and is rejected given the same reasoning as above.

Regarding claim 13 Liebenow and Murata teach a device as recite in claim 7 except for storing that includes a database in a radio network controller. Liebenow does teach storing a battery capacity measurement in a base station (see paragraph [0019]). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the storage device of Liebenow to include a database because this would allow for efficient information handling when managing power consumption in mobile wireless terminals.

Claims 5-6 and 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liebenow in view of Murata and Cannon.

Regarding claim 5 Liebenow and Murata teach a device as recited in claim 4 except for a measurement report message that includes the number of remaining minutes of talk time and the number of remaining minutes of idle time. Liebenow does teach a battery level report message (see paragraph [0019]). Cannon teaches sending battery information that includes the number of remaining minutes of talk time and the number of remaining minutes of idle time (see col. 3, lines 39-42). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the measurement message of Liebenow to include a measurement report message that includes the number of remaining minutes of talk time and the number of remaining minutes of idle time because this would allow for improved management of power consumption of mobile wireless terminals having an active communication connection.

Regarding claim 6 Cannon teaches a measurement report message that includes the percentage of available battery power remaining (see col. 3, lines 39-43).

Art Unit: 2683

Regarding claim 11 Liebenow, Murata, and Cannon teach a device as recited in claim 5 and is rejected given the same reasoning as above.

Regarding claim 12 Liebenow, Murata, and Cannon teach a device as recited in claim 6 and is rejected given the same reasoning as above.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Irvin U.S Patent No. 6,029,074 discloses a handheld cellular telephone with power management features.

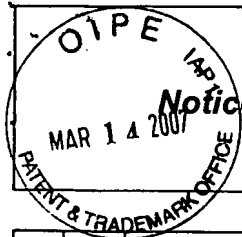
Petersson U.S. Patent No. 6,567,670 B1 discloses a subscriber station, network control means and method for triggering inter-frequency measurement in a mobile communication system.

Thierry et al. U.S Patent No. 6,748,245 B1 discloses a method for managing power supply to a cellular radiotelephone station.

Bhatooolaul et al. Pub. No.: US 2002/0058537 A1 discloses a radio telecommunications network, user equipment and method of operation.

Sheynblat et al. Pub. No.: US 2002/0016189 A1 discloses a method and apparatus for providing reserve power in a cellular telephone.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brandon J Miller whose telephone number is 703-305-4222. The examiner can normally be reached on Mon.-Fri. 8:00 am to 5:00 pm.



Notice of References Cited

Application/Control No.

10/726,426

Applicant(s)/Patent Under
Reexamination
LIVET ET AL.

Examiner

Brandon J Miller

Art Unit

2683

Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,792,297	09-2004	Cannon et al.	455/573
	B	US-2002/0128051	09-2002	Liebenow, Frank	455/574
	C	US-2002/0098859	07-2002	Murata, Masakazu	455/522
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Art Unit: 2683

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 703-308-5318. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

December 7, 2004


WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600